IDAHO DEPARTMENT OF WATER RESOURCES Water Measurement Program

WATER MEASURING DEVICE CERTIFICATION

(Revised 7/2002)

District 47-0 ROCK Creek	
Diversion Name Fracier Diversion	
Inventory Date	
Inventory Examiner	
PCC o.k.? ☐ Yes ☐ No	Exam complete? ⊠ Yes □ No
Name: Hal Fra Water Right No.: 41 - 120 L Legal Description: T_125 R_16 Site Tag No.: A 5011964	7 15 1 L 15 2 B 3E Sec. 24 SE 1/4 MW 1/4
Current Owner Name Had Trayier / Meandor to	Phone +23 - 453 z / 733 - 22
Address RT 4 Box 7167	
City Twn Fuls St ID Zip \$ 33	<u>80/</u> E-mail
Operator (if leased or operated by perso	on other than owner)
Name	m.
Address	
City St Zip	
SECTION 1 – Well Site Identification Global Positioning System Data:	
Data Collection Filename	Offset
IDWR Site Tag Identification No.	
Site Tag Location description:	
PLS/USGS LOCATOR	
For Department/District Use Only	
	e
	e
Data Entry By Date	e

SECTION II – Installed Meter Information

Motor HP 15 17 Volume units Other (specify)	METER AND MOUNTING PIPE INFORMATION				
Manufacturer Meter Type Meter Model Serial Number Serial Number Measure Flow Rate? Measurement Units Flow Rate Multiplier Measure Cumulative Volume? Menufacturer Menufacturer Menufacturer Menufacturer Meter Type Meter Model Dutside diameter Meal thickness Dutside diameter Menufacturer Menufacturer Measure Flow Rate? Menufacturer Measure Flow Rate? Menufacturer Menufac		Volume units	15 UP	Motor HP	
Meter Type Meter Model Serial Number Size (nominal) Measure Flow Rate? Pipe material Wall thickness Amount of straight pipe upstream from meter Other (specify) Measure Multiplier Measure Cumulative Volume? Measure Cumulative Volume? Multiple Flowmeters Are multiple flowmeters used to measure diversions from this well? Pipe material Outside diameter Wall thickness Amount of straight pipe upstream from meter Amount of straight pipe downstream from meter Description Amount of straight pipe downstream from meter Description Standard Meter Type Standard Meter Type Excellent 2% Good 5% Good 5% Fair 10% Poor > 10% Multiple Flowmeters Are multiple flowmeters used to measure diversions from this well? Yes No If yes, how many? (Attach separate form for each meter checked and/or calibrated.)	00/	Volume multiplier		Meter Install Date	
Meter Type Meter Model		Installation location	40 Va MASTER	Manufacturer	
Meter Model → DB Outside diameter 3.73 / 1.75 / 1.7	25 / PVC	Pipe material		Meter Type	
Serial Number Size (nominal) Measure Flow Rate? Measure Flow Rate? Measurement Units Tyes	253/	Outside diameter	T	Meter Model	
Inside diameter Measure Flow Rate? Yes No No No No No No No N	28/1	Wall thickness		Serial Number	
Measure Flow Rate? Yes		Inside diameter		Size (nominal)	
Measurement Units Other (specify) Flow Rate Multiplier Other (specify) Standard Meter Type Standard Meter Type □ Collins □ Hall □ Anub □ Dye □ Other Weasure Cumulative Volume? No Standard Meter Confidence □ Excellent 2% □ Good 5% □ Fair 10% □ Poor > 10% Multiple Flowmeters Are multiple flowmeters used to measure diversions from this well? □ Yes □ No If yes, how many? (Attach separate form for each meter checked and/or calibrated.)	Inches Pipe Lengths		☑ Yes ☐ No	Measure Flow Rate?	
Flow Rate Multiplier Standard Meter Type Standard Meter Type Measure Cumulative Volume? Yes No Standard Meter Confidence Standard Meter Confidence Excellent 2% Good 5% Fair 10% Poor > 10% Multiple Flowmeters Are multiple flowmeters used to measure diversions from this well? Yes No No Multiple Flowmeters Are multiple flowmeters used to measure diversions from this well? Yes No If yes, how many? (Attach separate form for each meter checked and/or calibrated.)	Inches Pipe Lengths			Measurement Units	
Measure Cumulative	lins □Hall ıb □Dye/chem	Standard Meter Type	× /	Flow Rate Multiplier	
Are multiple flowmeters used to measure diversions from this well? If yes, how many? (Attach separate form for each meter checked and/or calibrated.)	ood 5% air 10%	asure Cumulative Standard Meter Good			
If this meter measures diversions from multiple wells, list names and locations of other wells:					
if this meter measures diversions from multiple wells, list harnes and locations of other wells.	wens.	, list harnes and locations of	versions from muliiple wells	ir this meter measures div	

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SECTION III - Certification for Calibration of a Water Measurement Meter

Measurement No. 1 (M₁) is the measured rate of flow from the permanently installed flow meter.

Measurement No. 2 (M_2) is the measured rate of flow from the measuring device being used to check the flow for the calibration. This method or device must be accurate to within \pm 5% error. Describe below the method and equipment used to perform this measurement.

Percent Difference = $(M_1 - M_2) \div M_2 \times 100 = \pm \%$ (Acceptable is within $\pm 10\%$	(equation 1)
Calibration Multiplier = M ₂ ÷ M ₁	(equation 2)
flowmeter installed according to manufacturer's specifications? 💢 Yes 🗆 No	☐ Unsure
Describe any apparent problems with installation or operation	
Describe any apparent problems with installation or operation	
	ng <u>~/9487</u>
Roferg 5th ,せいら ナル・シー・フロー・フロー・フロー・フロー・フロー・フロー・フロー・フロー・フロー・フロ	ng <u>49487</u>
Roforg 5ね, せん。 ナル6,65ツ。 lowmeter accuracy prior to any adjustments: メナルナー B せる Totalizer readi	

FLOWMETER ACCURACY CALIBRATION TABLE							
Installed meter (totalizer reading)	Time	Total Gallons	Average Flow Rate GPM (M ₁)	Standard total gallons	Average Flow Rate GPM (M ₂)	% diff. (±)	Comments and adjustments
494870	STALL	2932.65	265.16	2.73	227.3	+16.65	Roturgs. Her.
494879	11.0 lemin						
494895	STACT						Ruling Surveyors
494902	10.16 Min	2210,95	224,50	2265	226.5	887,	
		ı					

Notes - Comments - Calculations:	Mea.	SHYEW	ion & dori		La	PYC	
Pipe across Rock (ceis.	Ro	dimension	s An	put	Pip	C
are as follows, 6.15"	2D -	FUL	Pipe mute	real -	,175	" wall	trickhre
with 4,267" & pacing on	FLGIS	+ 1 ams	ducus.				
	•						

	WATER LEVEL DAT	'A		
Does the well have access to measure wa	ater levels? Yes	□ No (check one)		
Is this well part of USGS, IDWR, or another	er network of water leve	el monitoring wells?	☐ Yes ☐ No	(check one)
Static Water Levelft Date	Pumping Water Level Date		condition)
	. ,			
Sketch and/or photograph of installati	<u>on:</u>			
		* 4		
13				
	Institute		·	
	15 HP	Centris ster pump		
5,		5,		
I certify that the above information is true measurements taken and recorded are in equipment used.	e and correct to the best n accordance with the s	of my knowledge ar tandards and specifi	nd ability and th cations of the	ie
Signature C. K.	و	Date	7/17/0	3

(person performing measurements)

Hal Frazier / Rock Creek Diversion	7/17/2003 11:16
START :07-17 11:10	+2.755E+0 ft/s
END :07-17 11:20	+2.269E+2 gal/m
INTERVAL:00:01:00	+TOTAL 0003625 gal
1147 1147 11.00.01.00	-TOTAL 0000000 gal
7/17/2003 11:10	NORMAL
+2.708E+0 ft/s	TOT HAIN ALL
+2.230E+2 gal/m	7/17/2003 11:17
+TOTAL 0002273 gal	+2.773E+0 ft/s
-TOTAL 0000000 gal	+2.284E+2 gal/m
NORMAL	+TOTAL 0003852 gal
NONWAL	-TOTAL 0000002 gal
7/17/2003 11:11	NORMAL
	NORMAL
+2.737E+0 ft/s	7/17/2003 11:18
+2.254E+2 gal/m	
+TOTAL 0002496 gal	+2.751E+0 ft/s
-TOTAL 0000000 gal	+2.265E+2 gal/m
NORMAL	+TOTAL 0004078 gal
-11-10-00 // /0	-TOTAL 0000000 gal
7/17/2003 11:12	NORMAL
+2.741E+0 ft/s	7/47/0000 44.40
+2.257E+2 gal/m	7/17/2003 11:19
+TOTAL 0002722 gal	+2.753E+0 ft/s
-TOTAL 0000000 gal	+2.267E+2 gal/m
NORMAL	+TOTAL 0004304 gal
	-TOTAL 0000000 gal
7/17/2003 11:13	NORMAL
+2.757E+0 ft/s	
+2.270E+2 gal/m	7/17/2003 11:20
+TOTAL 0002947 gal	+2.746E+0 ft/s
-TOTAL 0000000 gal	+2.261E+2 gal/m
NORMAL	+TOTAL 0004530 gal
	-TOTAL 0000000 gal
7/17/2003 11:14	NORMAL
+2.749E+0 ft/s	
+2.263E+2 gal/m	Forgot to reset Totalizer
+TOTAL 0003174 gal	so 4530 - 2273 = 2265 total gal.
-TOTAL 0000000 gal	Standard Meter = 226.5 GPM
NORMAL	Owners Meter = 224.5 GPM
	.88% low
7/17/2003 11:15	
+2.738E+0 ft/s	Adjustments were made from
+2.255E+2 gal/m	16.65% high to .88% low
+TOTAL 0003400 gal	Rotary Switches on owners meter started at 642
-TOTAL 0000000 gal	and end up at 543 after adjust.
NORMAL	